

## Infrastructure and Sustainability – Traffic Engineering Team

### FY 21/22 Work Plan

The Traffic Engineering Section is responsible for creating and implementing policy involving pedestrian, bicycle, and vehicular traffic movement. The section monitors and manages the traffic network, identifies traffic and traffic safety issues, seeks funding for traffic projects and executes traffic projects. The Traffic Engineering section responds to approximately 500 citizen inquiries every year regarding traffic-related issues, as well as plans, designs, and implements traffic and mobility projects. All traffic control plans and private development projects are reviewed and conditioned or approved by the Traffic Engineering team.

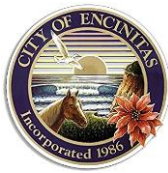
The Traffic Engineering Team consists of the City Traffic Engineer, 2 Engineers, a Program Assistant and a part time Intern.

The City Traffic Engineer is an ex-officio member of the **Mobility and Traffic Safety Commission** (formerly the Traffic and Public Safety Commission). The Mobility and Traffic Safety Commission consists of seven City Council appointed members that study and report to the City Council upon matters referred to it by Council. The Mobility and Traffic Safety Commission has advisory responsibility for mobility and traffic safety issues. This Commission is the liaison between the public and the City Council, they conduct analyses and provide recommendations to the City Council related to the circulation of motorized vehicles, pedestrians, and bicycles, and on matters related to traffic safety.

Goals for FY 21/22:

- Complete 4 traffic studies or plans
- Develop 2 policies
- Complete 15 traffic improvement project
- Complete Private Development Submittal Reviews within 3-4 weeks depending upon complexity
- Complete Traffic Control Plan reviews within 3 weeks

PLANS and STUDIES			
#	Work Item Name	Description	Target Completion
1	Local Road Safety Plan (LRSP)	Analyze traffic safety citywide and prioritize potential projects to enhance safety. The list of projects will be used for future CIP prioritization and for grant applications.	Winter '21/22
2	ENTMP Update	Update the Encinitas Neighborhood Traffic Management Program (ENTMP) and incorporate the First Tier Speed Cushion/Speed Table program.	Winter '21/22



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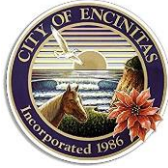
<b>3</b>	La Costa Corridor and Vulcan Avenue Traffic Study	Evaluate feasibility of implementing traffic signals and/or roundabouts at the La Costa intersections at Sheridan and at Vulcan, and evaluate feasibility of implementing additional traffic calming measures on Vulcan Ave.	Winter '21/22
<b>4</b>	Evaluation of AB-43 (Formerly, Citywide Speed Reduction)	A previous action to de-classify and remove certain roadways of city's roadway network from the State's Highway Network to be able to classify them as local residential roads and use Prima Facie 25mph speed limit on them was presented. However, since the passage of AB-43, City Staff is pivoting to undertake an analysis of the authorities provided in this law and how this law affects/changes how speed limits are set within the City.	Spring '22

### **NEW POLICIES**

<b>#</b>	<b>Work Item Name</b>	<b>Description</b>	<b>Target Completion</b>
<b>5</b>	Use of Sharrows	A policy to clarify how class III bikeways (sharrows) are implemented within the City based upon different classifications of roads	Summer '22
<b>6</b>	Analysis of Outdoor Dining Areas	A policy on how Traffic Engineering will review and assess outdoor dining requests and which criteria will pose challenges to implementation of outdoor dining areas	Fall '21

### **FY 21/22 TRAFFIC PROJECTS**

<b>#</b>	<b>Project Name</b>	<b>Description</b>	<b>Approximate Funding and Source</b>	<b>Target Completion</b>
<b>7</b>	El Camino Real Z Crossing (CS20G)	Signing and striping El Camino Real from Olivenhain Rd to Encinitas Blvd to widen bike lanes, addition of bike buffers and potential addition of bollards	\$517,600	Winter '21/22
<b>8</b>	Streetlight Conversion Project (CS17H)	Replace existing streetlighting with LEDs on 2nd St, Birmingham Dr, Highway 101, El Camino Real, Encinitas Blvd, Garden View Rd, Leucadia Blvd, Mountain	\$760,500	Spring '22



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		Vista Rd, Olivenhain Rd, Quail Gardens Dr, Santa Fe Dr, Via Cantabria, Village Pkwy, Vulcan Ave and San Elijo Ave.		
9	Vulcan Avenue Traffic Calming (WC20C)	Narrowed travel lanes, Sharrows, speed tables and other safety and mobility enhancements on Vulcan Ave between Encinitas Blvd and La Costa Ave	\$75,000	Winter '21/22
10	Left Turn Permissive Signals (CS02G)	Replace existing permissive left-turn phasing and signal heads with protected left-turn phases and signal heads at Encinitas Blvd and Vulcan Ave, Leucadia Blvd and Quail Gardens Dr, Santa Fe Dr and Scripps Driveway and Leucadia Blvd and North Vulcan Ave.	\$581,300	Summer '22
11	Citywide Leading Pedestrian Intervals (CS22B)	Upgrade old 170 signal controllers to 2070 controllers at 48 traffic signals. Leading Pedestrian (LPI) will be installed, and traffic signal systems will be upgraded for LPI operations. All crosswalks will be painted with high visibility continental crosswalks	\$1,234,500	Summer '22
12	Coast Highway 101 Separated Bike Lanes (CS22C)	Install separated bike lanes along Coast Highway 101 from Swami's Pedestrian Crossing to Chesterfield Drive. Existing bike lanes will remain in both directions.	\$722,100	Spring '22
13	La Costa Walkway west of Vulcan (CS11C)	Approximately 200' of DG path between Vulcan Ave and the bridge on La Costa Ave will connect the recently implemented All Way Stop Control intersection at Vulcan Ave and La Costa Ave to the existing walkway on the west side of the bridge	\$30,000	Winter '21/22
14	Olympus Park Striping (P&R Funding)	Restriping along Olympus St and shifting travel lanes to accommodate park parking; adding speed legends, crosswalks and pavement markings	\$10,000	Winter '21/22
15	Refreshing Coast Hwy 101 (Traffic Safety & Calming)	Refreshing buffers, greenback Sharrows on N Coast Highway 101 between Encinitas Blvd and La Costa Ave	\$10,000	Fall '21
16	Sunset Dr Striping (Traffic Safety & Calming)	Edge line striping along Sunset Dr & Sunset Dr/Orpheus intersection modifications and various pavement legends and striping modifications	\$10,000	Fall '21
17	Cole Ranch Rd Crossings (Traffic Safety & Calming)	(2) new marked continental crossings on Cole Ranch Rd with new striping, ramps, RRFBs at the intersections of Camino Del Norte and Lone Jack	\$20,000	Spring '22
18	Via Cantabria & Encinitas Blvd	EB Left-turn modifications – restriping and modification of intersection striping to enhance safety and improve mobility	\$10,000	Spring '22



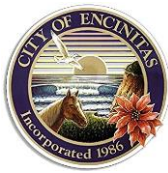
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19	Lazy Acres Median (Traffic Safety & Calming)	Encinitas Blvd & Lazy Acres EB median and striping modifications to increase EB left turn capacity and enhance through capacity	\$20,000	Spring '22
20	Wireless Traffic Signal Communications (WC13B)	Santa Fe & Birmingham corridors – traffic signal work to improve signal communications	\$10,000	Spring '22
21	Glen Arbor speed cushions (Traffic Safety & Calming)	To install speed cushions along Glen Arbor Dr based on neighborhood votes	\$5,000	Winter '21/22
22	Urania Restriping (Traffic Safety & Calming)	Striping modifications north of Urania to allow parking west side	\$5,000	Summer '22
23	Orpheus Speed Hump Modifications (Traffic Safety & Calming)	Speed hump modifications along Orpheus Ave	\$20,000	Spring '22
24	Citywide Speed Tables	Commission item – Evaluation of (6) locations for potential speed tables in city	TBD	Fall '21
25	Balour & Encinitas Blvd Traffic Signal Modifications (Traffic Signal Modifications)	Installation of bike loop and relocation of NB loops at the traffic signal to provide better detection for bicyclists	\$10,000	Winter '21/22
26	Surveillance Camera (WCV13B)	Repair/Replace traffic surveillance cameras citywide	\$25,000	Spring '22
27	Crosswalk on Via Cantebria	Installation of a new crosswalk at the Target driveway on Via Cantebria	\$15,000	Spring '22
28	School Project List Implementation	Update crosswalks and curb ramps at the following intersections: Capri Road & Rainbow Ridge Lane, Oak Crest Park drive by school parking lot, Village Park Way & Coolngreen Way	\$30,000	Spring '22

### **On-Going Traffic Division Tasks**

#	Project Name	Description	Work Load
29	Neighborhood Tasks List	Evaluate various requests and concerns received by the residents of the City via Phone Call, Email, or through the City App	Evaluate 100 – 200 requests per year
30	First Tier Speed Cushion/Speed Table Program	Evaluate different corridors for Speed cushion/Speed Table installations	Evaluate 10-15 requests per year



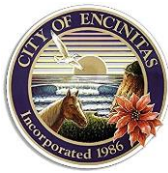
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<b>31</b>	Rectangular Rapid Flashing Beacons (RRFB)	RRFBs are requested at various locations in the city. Staff evaluates and installs based on priorities and budget availability	Evaluate 10-20 requests per year
<b>32</b>	Blinking STOP signs	Signs requested at various intersections in city. Locations with limited visibility and limited or no street lighting may be converted to blinking.	Evaluate 5-10 requests per year
<b>33</b>	Speed Radar Feedback Signs	Additional speed radar feedback signs are requested for different locations in the city. Evaluations are made and speed radar feedback signs are installed based on their priority	Evaluate 10-20 requests per year
<b>34</b>	Safe Routes to Schools	Evaluate various requests and concerns received from the school districts and implement as-needed improvements after evaluations	About 50 – 100 per year
<b>35</b>	Annual Public Works striping Refreshment	Evaluate the annual striping refreshing project of Public Works Department to modify and improve existing striping on city's roadway network	Continuous As-Needed Ongoing Support
<b>36</b>	Annual CIP pavement program	Evaluate the annual CIP pavement program to modify and improve existing striping on city's roadway network	Continuous As-Needed Ongoing Support
<b>37</b>	Preferential Parking District Program Management and Review of New Requests	Traffic staff manages the two preferential parking districts (permit parking) in the city. For those requests that abut commercial/business areas, staff is required to undertake a more robust review of the impacts.	About 75 - 100 resident inquiries per year; 1-3 site analysis.
<b>38</b>	Transportation Permit Program	Evaluate the route heavy trucks will take through the City and issue transportation permits authorizing the use of the roadway network	About 75 - 100 Transportation Permits per year

### **Support for other City teams**

#	Project Name	Description	Work Load
<b>39</b>	Traffic Control Plan Reviews	To review Traffic Control Plans submitted to the Development Services Counter for various projects	About 500 per year



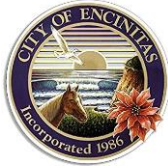
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<b>40</b>	Traffic Impact Analyses	To review Traffic Impact Analyses submitted to the Development Services Department for various development projects	About 50 per year
<b>41</b>	Various Permit Reviews	Reviews and evaluations for various permits citywide such as special events, outdoor dining etc	About 50 per year
<b>42</b>	Mobility Element Update	To provide help and support to the Mobility Element project management team	Ongoing through 2023
<b>43</b>	Climate Action Plan (CAP)	To provide help and support to the CAP team	Continuous As-Needed Ongoing Support
<b>44</b>	Modal Alternatives Projects (MAP)	To provide help and support to the MAP project management team	Ongoing through 2022

### **PROPOSED FY 22-23 PROJECTS**

<b>#</b>	<b>Project Name</b>	<b>Description</b>
<b>A</b>	Vision Zero Implementation	Implement projects consistent with the Mobility Element Vision Zero strategy that works toward eliminating pedestrian and bicycle related deaths and serious injuries in Encinitas.
<b>B</b>	Evaluation of Neighborhood Traffic Circle at Eolus and Andrew	A pilot traffic circle was placed at the intersection of Andrew/Eolus and Hillcrest. Staff will evaluate the efficacy of this traffic calming measure and bring back a recommendation for consideration by City Council.
<b>C</b>	Application of Traffic Markings for Sharrows Policy	Development of a policy to assess how sharrow signage will be applied to various roadway types.
<b>D</b>	Rancho Santa Fe Traffic Calming Measures	A comprehensive study was conducted by STC to evaluate feasibility of implementing various improvements including roundabouts, traffic signals, striping modifications and raised crosswalks. Interim striping improvements and raised crosswalks are to be implemented. Will request funding for FY 22-23 as part of budget cycle.
<b>E</b>	Application of Crosswalk Markings and Placement of Rectangular Rapid Flashing Beacons Policy	Development of policy for street crossings.



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<b>F</b>	Residential ADA Parking Policy	Development of a policy to develop a process for assessing public need or legal requirement for a designated on-street ADA parking based upon site specific conditions.
<b>G</b>	Preferential Parking District Policy	Development of a policy that defines how requests for preferential parking districts will be assessed based upon impacts from non-resident/commercial/business related parking impacts to residential areas.